

NAS CONFIGURATION CONTROL DECISION					
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1. Prefix

N

2. NCP/CCD No.
24613

3. Case File No.
OS230-ATCBI-028

OS230-ATCBI-028

4. NCP Title
ARSR-4 ATCBI-5/BI-6 RF Switch

5. Site Location(s) (Local or Test NCPs/CCDs only) N/A	6. Configuration Item Designator(s) ATCBI-5/ATCBI-6/ARSR-4/FA-9400
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6. Configuration Item Designator(s)

ATCBI-5/ATCBI-6/ARSR-4/FA-9400

7. Action Directed

Accomplish the actions described in NCP 24613, dated April 29, 2003 and as modified by resolution of comments.

ACTION:

AOS-230 - Coordinate and schedule the implementation of this approved change as defined in NCP 24613.

- Update associated documentation as defined by NCP 24613. (Reference TI 6340.27)
- Coordinate publication and distribution of subject documentation. Ensure that copies of the document are delivered to ACM-20 and ATB-410.

DCC - Create/update records on DOCCON for document cited above in accordance with this CCD.

ATB-410 - Update CM/STAT to reflect closure of actions. (CC)

Upon completion of actions, designated action offices are requested to sign the grid attached to the CCD form and forward a copy to ATB-410.

ACTION:

- Update associated documentation as defined by NCP 24613. (Reference TI 6340.27)
- Coordinate publication and distribution of subject documentation. Ensure that copies of the document are delivered to ACM-20 and ATB-410.

DCC - Create/update records on DOCCON for document cited above in accordance with this CCD.

ATB-410 - Update CM/STAT to reflect closure of actions. (CC)

Upon completion of actions, designated action offices are requested to sign the grid attached to the CCD form and forward a copy to ATB-410.

8. Remarks or Explanation of Disapproval	

9. Decision

- Approval
- Disapproval


Disapproval

10. Date


10/9/03

10/9/03

11. Signature and Title



Surveillance CCB Co-Chairperson, AOS-1



Surveillance CCB Co-Chairperson, ATB-400

Surveillance CCB Co-Chairperson, AOS-1

Surveillance CCB Co-Chairperson, ATB-400

NAS CONFIGURATION CONTROL DECISION

CCD ACTION COMPLETION VERIFICATION SURVEILLANCE IPT CCB

NCP/CCD NO. **N24613**

CASE FILE NO. **OS230-ATCBI-028**

PAGE 2 OF 2

12. ACTION OFFICE

NAME	ROUTING SYMBOL	DATE
AUTHORIZING OFFICE:		

13. DOCCON / ACM-20

NAME	DATE



U.S. Department Of Transportation
Federal Aviation Administration

Memorandum

Subject: **ACTION: Must Evaluation of 24613**

Date: **April 29, 2003**

From: **Configuration Management/ATB-400 IPT
Surveillance CCB**

Reply to **Heather Cooley**
Attn of: **(ATB-400/TAC)**
(202) 548-3796
FAX (202) 608-5970
**** Please cc Carol**
James-Preston

To: **ACB-530 AEA-472 AFZ-700 AGL-471 AML-30 ANE-471**
ANI-90 ANM-472 AOP-1 AOS-700 ARS-2C ARS-7
ASD-120/140 ASO-471 ASR-1 ASW-471 ATB-430
ATB-450 ATB-460 ATP-1 AWP-472 ATB-440

Please evaluate the attached NCP and associated documents. Your response is essential to the evaluation process. Your comments should be stated in the space provided below, or on additional sheets as required, and forwarded by the indicated due date (**May 29, 2003**). Lack of response by that date will result in the NCP being forwarded to the CCB for decision with a "No Response" indication for your office. **MUST EVALUATORS SHOULD CONTACT ORIGINATOR (Greg Barker 405-954-8594) PRIOR TO FORWARDING COMMENTS ON THIS NCP.**

Please reply immediately if you believe other office(s) should be added as Must Evaluators.

This NCP can also be found on the Surveillance Web site <http://172.27.70.31/cm/NCPs/24613.PDF>

Configuration Management Office/ATB-400/Surveillance Sector CCB

Attachments:

Information Copy: NDP (Guy Hawkes), Lanny Clelland/ARS-7

NOTE:

Due : **May 29, 2003**
NCP No.: **24613**
Casefile No.: **OS230-ATCBI-028**

Concur w/o comment: _____
Concur w/ comment: _____
Nonconcur w/ comment: _____

	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
Comment Originators						
ROC POC						
Manager						

1. Case File Number

2. **FOR
CM
USE**

Case File Received Date

NCP Issuance Date

NCP Number

OS230-ATCBI-028

4-28-02

4-29-02

27613

3. Scope of Change

☐ Local ☒ National
☐ Test

4. Reason For Change

☐ Safety
☐ Requirements Change
☐ Baseline☐ Technical Upgrade
☐ Design Error
☐ Other☒ Systems Interface
☐ Parts Unavailability

5 Priority

☒ Normal
☐ Time-Critical
☐ Urgent6. Justification of Time Critical/Urgent Priority
N/A

7. Supplemental Change Form

☐ ECR/ECP ☐ TES ☒ N/A

7a. Supplemental Change No.

7b. Supplemental Change Initiation
Date:

8. Case File Originator

Greg Barker

9. Originator's Organization

AOS-230

10. Telephone Number

405-954-8594

11. Case File Initiation Date

10/15/02

12. Type of Document Affected

☐ CPFS ☐ SPEC ☐ MTBK ☐
☒ TI ☐ DWG ☐ IRD/ICD

13. Baseline Document Number(s)

TI 6360.27 6340.27 HC
021001

14. CI Subsystem Designator

ATCBI-5

15. FA Type

FA-9400

16. CI Component Designator

2-4-5-4-1

17. Facility Identifier (FACID)

N/A

18. Facility Code (FACCODE)

N/A

19. Cost Center Code

N/A

20. System Software Version

N/A

21. Title

ARSR-4 ATCBI-5/BI-6 RF SWITCH22. Description: (a) Identification of problem, (b) proposed change, (c) interface impact, (d) cost estimate (e) funding source (f) benefits/risks,
(g) Schedule

- a.) The installation of the ATCBI-6, at ARSR-4 sites, will require the use of the MODE-S En Route Antenna currently used by the ATCBI-5. To meet Air Traffic requirements the MODE-S antenna was modified for use with the ATCBI-5, Order 6340.27, Change 5, Chapter 6, ARSR-4 En Route Mode-S Antenna Beam Narrowing. To limit the downtime required to switch between the ATCBI-5 and ATCBI-6, AOS-230 has investigated a modification under project 231-2001M051A, ARSR4 ATCBI-5/ATCBI-6 RF Switch.
- b.) AOS-230 proposes a RF switch located between the ATCBI-5 and ATCBI-6. The ARSR-4 En Route Mode-S Antenna Beam Narrowing modification will be moved from the antenna to the RF switch. This modification has been successfully tested at the OKC ARSR-3, which houses both the ATCBI-5 and ATCBI-6. With the modification in place the ATCBI-5 will require a 0.5 dB increase in directional and Omni-directional power to offset the loss in the RF switch assembly. This change in power will be reflected in the SSM associated with the RF switch assembly. The RF switch assembly is temporary and will be removed during ATCBI-6 commissioning.
- c.) None
- d.) Approximately \$6000 per facility.
- e.) F&E ATCBI-6 program.
- f.) The modification will significantly reduce system down time by limiting the number of times the ARSR-4 En Route Mode-S Beam Narrowing modification will need to be removed and reinstalled during periods of ATCBI-6 testing and evaluation.
- g.) A RF switch assembly will be provided at the time of the ATCBI-6 installation.

Case File Number
OS230-ATCBI-028

NCP Number

24613

Page 2 of 2

23. Name and Title of Originator's Immediate Supervisor

John Dietrich
Manager, Surveillance Branch

Date

12/3/02

24. Facility/SMO Review (AT/AF)

Name	Routing Symbol	Date	Concur	Non-Concur
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

25. Regional Review

Name	Routing Symbol	Date	Concur	Non-Concur
Greg Barken	AOS-231F	11/24/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Preston Barber	AOS-233B	11/26/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Buster Alexander	AOS-233A	12/3/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

☐ Recommend Approval

☐ Disapprove

(Enter into CM/STAT. Forward to Prescreening) (Return to Originator)

Routing Symbol

Signature

Date

Routing Symbol AOS-200

Signature

Date 4-25-03

James D. Pritchard, Manager
National Airway Systems Engineering Division

Routing Symbol

Signature

Date

Routing Symbol AOS-203

Signature

Date 4/25/03

Tena Woods

Tena M. Woods, Division Technical Assistant

24a. Comments

Routing Symbol AOS-200

Signature

Date 4/16/03

Betty J. Rolins

Laurie Davidson, CM Coordinator

25a. Comments List DMS project number in this block.

PROJECT #231-2001M051A

(Attach additional sheets if necessary)

26.

PRESCREENING

Prescreening Office

Initiated by AOS, no prescreening required per NAS-MD-001

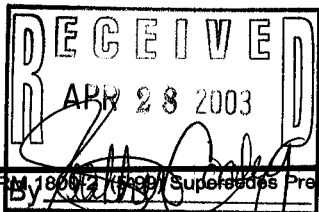
Prescreening Comments:

N/A

(Attach additional sheets if necessary)

Reviewers	Routing Symbol	Date	Concur	Non-Concur	<input type="checkbox"/> Recommend Approval <input type="checkbox"/> New Requirement	<input type="checkbox"/> Recommend Disapproval
Recommended Must Evaluators					Routing Symbol	Signature
					Date	

27. For Internal Configuration Management Use Only



APR 16 2003

IN
DMS ☒
LOG ☒
DOC ☒

OUT

DMS ☒
LOG ☒
SCAN ☒

Int'l ☒
Date 4/16/03

Int'l ☒
Date 4/16/03

E-MAIL: Gould/Preston/Cooley

Case File/NCP Worksheet

Case File Number **OS230-ATCBI-028**

NCP Number

24613

Page 1 of 2

EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS

Applicable		Element	Case File/NCP Costs (Savings)				
YES	NO		Non-recurring	Unit	Recurring Quantity	Total (recurring)	Total
		1. Effect on product configuration documentation					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	a. Performance	\$			\$	\$
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. Technical data/drawings	\$500.00			\$	\$500.00
<input type="checkbox"/>	<input checked="" type="checkbox"/>	c. Nomenclature change	\$			\$	\$
		2. Effect on NAS Integrated Logistics Support (NAILS)	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	a. NAILS plans	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	b. Maintenance concept, plans & procedures	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	c. Logistics support analyses	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	d. Interim support programs	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	e. Spares and repair parts	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	f. Tech manuals/programming Media	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	g. Facilities	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	h. Support equipment	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	i. Operator training	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	j. Operator training equipment	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	k. Maintenance training	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	l. Maintenance training equipment	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	m. Contractor maintenance	\$			\$	\$
		3. Effect on operational Deployment	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	a. Safety	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	b. Reliability	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	c. Maintainability	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	d. Service life	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	e. Operating procedures	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	f. Electromagnetic interference	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	g. Implementation schedule	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	h. Critical single point failure items	\$			\$	\$
		4. Other considerations	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	a. Interface	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	b. Other affected equipment	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	c. Physical constraints	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	d. Computer programs and resources	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	e. Rework of other equipment	\$			\$	\$

Case File/NCP Worksheet

Case File Number **OS230-ATCBI-028**

NCP Number

24613

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EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS

Applicable		Factor	Case File/NCP Costs (Savings)				
YES	NO		Non-recurring	Unit	Recurring Quantity	Total (recurring)	Total
		4. Other considerations (Continued from previous page)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	f. Testing impacts	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	g. Parts control	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	h. Life cycle costs	\$			\$	\$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	i. Remote Maintenance Monitoring System (RMMS)	\$			\$	\$
		5. Miscellaneous (as required)	\$			\$	\$
<input type="checkbox"/>	<input type="checkbox"/>	a.	\$			\$	\$
<input type="checkbox"/>	<input type="checkbox"/>	b.	\$			\$	\$
<input type="checkbox"/>	<input type="checkbox"/>	c.	\$			\$	\$
<input type="checkbox"/>	<input type="checkbox"/>	d.	\$			\$	\$
<input type="checkbox"/>	<input type="checkbox"/>	e.	\$			\$	\$

6. Comment Field for Blocks 1 through 5, Include Basis for Cost Estimates
 During review, AOS-200 has attached the Casefile/NCP Worksheet and provided input if appropriate and in accordance with the latest order 1100.157 paragraphs 9.0 Problem Identification and 10.0 Prescreening Criteria.

The cost for parts is listed in the CASE FILE/ NAS CHANGE PROPOSAL

7. Alternate solutions

8. Developmental status

9. Recommendations for retrofit

Submitted by: Carl Butler

Organization: AOS-230

Date: 11/24/02

Cooley, Heather N

From: gregory.barker@faa.gov
Sent: Monday, April 28, 2003 2:09 PM
To: Cooley, Heather N
Subject: Re: OS230-ATCBI-028 change TI #

Heather,

The reference document should be order 6340.27.

Greg

"Cooley, Heather N"
<Heather.N.Cooley@baesystems.com>

04/28/03 12:48 PM

To: Gregory Barker/AMC/FAA@FAA
cc:
Subject: OS230-ATCBI-028 change TI #

Per our conversation, I am changing the reference document in block 13 of the 1800-2 from TI 6360.27 to TI 6340.27. If you agree, please concur.

Thanks,
Heather Cooley
(202) 548-3796
heather.n.cooley@baesystems.com

From: John.Horrocks@faa.gov [mailto:John.Horrocks@faa.gov]
Sent: Tuesday, April 29, 2003 3:01 PM
To: Cooley, Heather N
Subject: Re: NCP 24613 (OS230-ATCBI-028) for Review

Approved: John Horrocks, Manager, ASD-120

NCP 24613

ASD-120 concurs without comment.

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Joe DeChristopher

Organization: ATB450

Phone: 202 493-4028

Date: 06 May 2003

Comment Status: Concur With Comment

Comments: Technically this NCP is acceptable to ATB-450.

Clarification is requested for block 22. items D and E

Item D shows an approximated budget of \$ 6000.00 per site

Please provide a more detailed break out of costs and identify total number of units expected to purchase/modify as a result of this NCP.

Item E identifies payment for this NAS Change Proposal coming from the ATCBI-6 Program. This is not correct, the ATCBI-6 Program provides funding to support AOS activities in the form of a Program Directive. (PD).

This effort should be paid with the money sent over on the PD.

Joe

16 Jul 2003

Greg Barker

405-954-
8594

AOS200

Resolution: *The cost is \$6000 per site in parts, at 43 sites. The funding has already been provided to the secondary surveillance team (AOS-232) via a PD from ATB-450. An additional breakdown of individual parts can be provided upon request if this does not resolve your comments.*

From: joe.dechristopher@faa.gov [mailto:joe.dechristopher@faa.gov]
Sent: Monday, September 08, 2003 7:06 AM
To: Cooley, Heather N
Cc: James-Preston, Carol R; "Pritchard"@relay3.faa.gov
Subject: Re: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Response is good

Thank you very much

Joe

From: Cecil.CTR.West@faa.gov [mailto:Cecil.CTR.West@faa.gov]
Sent: Monday, May 05, 2003 12:50 PM
To: heather.n.coolley@baesystems.com
Subject: NCP 24613

ASO-472 has concurred w/o comment

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Elizabeth Earle

Organization: ACB530

Phone: 609-485-4613

Date: 07 May 2003

Comment Status: Concur Without Comment

Comments:

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Jacqueline Hill

Organization: ATB430

Phone: 267-7515



Date: 08 May 2003

Comment Status: Concur Without Comment

Comments:



Due : May 29, 2003
NCP No.: 24613
Casefile No.: OS230-ATCBI-028

Concur w/o comment: 
Concur w/ comment: _____
Nonconcur w/ comment: _____

	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
Comment Originators		NORMAN M. DAVIS APM		202-3857996	ARN-100	7 May 03
ROC POC						
Manager		Tim Wallace (acting)		57596	ARN-100 ARN-100	7 May 03

Due : May 29, 2003
NCP No.: 24613
Casefile No.: OS230-ATCBI-028

Concur w/o comment: 
Concur w/ comment: _____
Nonconcur w/ comment: _____

	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
Comment Originators		NORMAN M. DAVIS APM		202-3857996	ARN-100	7 May 03
ROC POC						
Manager		Tim Wallace (acting)		57596	ARN-100 ARN-100	7 May 03

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Lottie Perro

Organization: ATP001

Phone: 267-9358

Date: 12 May 2003

Comment Status: Concur Without Comment

Comments:

NOTE:Due : **May 29, 2003**NCP No.: **24613**Casefile No.: **OS230-ATCBI-028**Concur w/o comment: X Concur w/ comment: Nonconcur w/ comment:

	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
Comment Originators		<i>Gil Mendoza, Elect. Eng.</i>	<i>Gil Mendoza</i>	<i>817 222 4748</i>	<i>ASW 471.9m</i>	<i>5/1/03</i>
ROC POC						
Manager						

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: john guillory

Organization: ARS007

Phone: 202-385-7603

Date: 14 May 2003

Comment Status: Concur Without Comment

Comments:

From: 9-AWA-AOP-NCP@faa.gov [mailto:9-AWA-AOP-NCP@faa.gov]
Sent: Thursday, May 22, 2003 6:17 AM
To: heather.n.cooley@baesystems.com;
carol.r.james-preston@baesystems.com
Cc: pat.lewis@faa.gov
Subject: CWOC NCP 24613

AOP concurs without comment to the subject NCP.
If there are any questions please contact Pat Lewis at (202) 267-8634.

Also please note that the Security Division, AOP-500 has Concurred without
Comment

From: claire.ctr.bentley@faa.gov [mailto:claire.ctr.bentley@faa.gov]
Sent: Thursday, May 22, 2003 2:50 PM
To: heather.n.cooley@baesystems.com; carol.r.james-preston@baesystems.com
Cc: Sandra.CTR.Tremblay@faa.gov
Subject: NCP 24613, casefile OS230-ATCBI-028

ANE concurs without comment on this NCP.

Claire Bentley
CICM, CISC
ANE-471/NISC
781-238-7479

From: 9-AWA-TSM-CCB@faa.gov [mailto:9-AWA-TSM-CCB@faa.gov]
Sent: Friday, May 23, 2003 9:09 AM
To: heather.n.cooley@baesystems.com; carol.ctr.preston@faa.gov
Subject: NCP 24613

Hello,

The TSM Org. concurs without comment to the above NCP.

Regards,

Katherine Ronckovitz
202.314.5913

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Gregory Key

Organization: ASD140

Phone: 202-385-7113

Date: 27 May 2003

Comment Status: Concur Without Comment

Comments:

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: Tennille Whittington

Organization: ATB460

Phone: 202-385-7726

Date: 27 May 2003

Comment Status: Concur Without Comment

Comments: Reviewed by Thomas Alexander 202-385-7583 and Approved by Joe Anderson, Manager, 202-385-7725.

NOTE:

Due : May 29, 2003

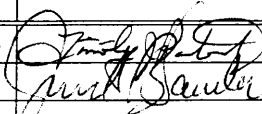
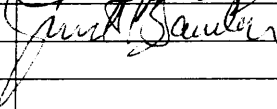
NCP No.: 24613

Casefile No.: OS230-ATCBI-028

Concur w/o comment: X

Concur w/ comment:

Nonconcur w/ comment:

	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
Comment Originators		TIM PAULWITZ, STAFF BUDWIGER		7-9739	ASR-100	5/18/03
		Jerrold B. Sandors		7-9720	ASR-100	5/20/03
		George K. Sakai			ASR-1	
ROC POC		Program Director for	Spectrum Policy			
Manager		and Management				

Carmen Hubbard

05/29/2003 01:57 PM PDT

To: Carol CTR Preston/AWA/CNTR/FAA@FAA, heather.n.cooley@baesystems.com

cc: Helen Harris/AWP/FAA@FAA, Phuong-Anh Nguyen/AWP/FAA@FAA

Subject: NCP 24613 OS230-ATCBI-028

Hi Carol,

I stand corrected on this NCP 24613. Western Pacific Region concurs with two comments:

HIP SMO Kevin Inouye, Technical Support Specialist:

Comments: The RF Switch was tested on the OKC ARSR-3. Assuming the OKC ARSR-3 has the standard 5' open array and since most ARSR-4's have the enroute Mode S antenna, are there plans to test the RF switch on the OKC ARSR-4?

AWP-471 Laura Murillo, AWP-471.7

310-725-3667

Comments: AOS needs to ensure that the additional line loss of the switch is added to the existing ATCBI-5 to meet certification parameters.

16 Jul 2003

Greg Barker

405-954-8594

AOS200

Resolution:

Comment 1: The RF switch has been tested on the ARSR-3 which has a six foot open array for compatibility with the ATCBI-6. The RF switch has also been tested on the ARSR-4 which has an enroute Mode-S antenna which is a six foot open array for compatibility with the ATCBI-5. Both tests were successful. Comment 2: As stated in paragraph 22(b) of NCP submittal, AOS-230 will take into account the additional power loss in the switch for ATCBI-5 operation.

From: Phuong-Anh.Nguyen@faa.gov [mailto:Phuong-Anh.Nguyen@faa.gov]
Sent: Tuesday, September 09, 2003 5:47 PM
To: heather.n.cooley@baesystems.com
Cc: Helen.Harris@faa.gov; Carmen.Hubbard@faa.gov
Subject: Re: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Hello Heather,

Laura Murrillo & Chris Wong are not satisfied with the ROC provided from AOS-230. Please read the below comments from Chris Wong after receiving the ROC. Chris may be reached at 310-725-7424.

Thank you

Phuong-Anh Nguyen, AWP-474.53
Configuration Management
(310) 725-7447
(310) 725-6868 (fax)

----- Forwarded by Phuong-Anh Nguyen/AWP/FAA on 09/09/2003 01:59 PM -----
Chris Wong

09/09/2003 10:28

Subject: Re: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Anh:

AWP-471 concern is with the received path of the signal. We can compensate for the transmit power out but we can not compensate for the receive signal in. We need to run data analysis before and after this modification to ensure we have not degraded the system.

From: Phuong-Anh.Nguyen@faa.gov [mailto:Phuong-Anh.Nguyen@faa.gov]
Sent: Wednesday, September 24, 2003 9:32 AM
To: heather.n.cooley@baesystems.com
Cc: Helen.Harris@faa.gov; Carmen.Hubbard@faa.gov
Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Hello Heather,

I am forwarding the below response from Chris Wong to Gregory Barker for your records.

Have a nice day!

Phuong-Anh Nguyen, AWP-474.53

Configuration Management

(310) 725-7447

(310) 725-6868 (fax)

----- Forwarded by Phuong-Anh Nguyen/AWP/FAA on 09/24/2003 06:29 AM -----

Chris Wong

To: Gregory Barker/AMC/FAA@FAA

09/24/2003 06:22 Roger Savoie/AWP/FAA@FAA, Phuong-Anh

Nguyen/AWP/FAA@FAA, Faron Hahn/AWP/FAA@FAA, Steve

Aguirre/AWP/FAA@FAA, Jesse DeCastro/AWP/FAA@FAA, Terri

Sumter/AWP/FAA@FAA

Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Greg:

AWP-471 has concurred with this NCP since day one. Our only concern is the received signal. I do not see why we can not do a data analysis before and after the installation to ensure all is well and leave some data in the FRDF !!!!

Faron Hahn

To: Chris Wong/AWP/FAA@FAA, Roger Savoie/AWP/FAA@FAA

09/19/2003 12:59

Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Chris,

Please take action.

Roger,

Insure Brad and Steve get the followup.

Faron R. Hahn

AWP-471

310 725-3471

----- Forwarded by Faron Hahn/AWP/FAA on 09/19/2003 12:57 PM -----

Steve Aguirre

To: Faron Hahn/AWP/FAA@FAA

09/18/2003 09:04 Brad Gee/AWP/FAA@FAA

Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

info/action. Let me know when this has been resolved.

Thanks,

Steve Aguirre

Asst. Manager, Operations Branch, AWP-470

310-725-3479

----- Forwarded by Steve Aguirre/AWP/FAA on 09/18/2003 09:03 AM -----

Gregory Barker

To: Phuong-Anh Nguyen/AWP/FAA@FAA

09/16/2003 08:30 "Cooley, Heather N"

 <Heather.N.Cooley@baesystems.com>, John

 Dietrich/AMC/FAA@FAA, Mark Carmouche/AMC/FAA@FAA, Chris

Wong/AWP/FAA@FAA, Carl CTR Butler/AMC/CNTR/FAA@FAA, Brad

 Gee/AWP/FAA@FAA, Robert Strong/AWP/FAA@FAA, Steve

Aguirre/AWP/FAA@FAA

 Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Anh,

I need to know if this is NCP is capable of resolution. I would like to see the gain margins that Chris calculated to bring up this comment. My own worksheet shows that gain margins on the receive side of the ATCBI-5 are not an issue, but then I may have been doing them wrong the last eight years. Once, I receive Chris's gain margin worksheet I will need to know what kind of data he requires? I assume before and after data on the BI-5 with the six foot array, but I also need to know what power and STC curve will appease him.

Thank you,

Greg Barker

AOS-231

405-954-8594

From: Phuong-Anh.Nguyen@faa.gov [mailto:Phuong-Anh.Nguyen@faa.gov]
Sent: Monday, September 29, 2003 11:04 AM
To: heather.n.cooley@baesystems.com
Cc: Helen.Harris@faa.gov; Carmen.Hubbard@faa.gov
Subject: Review of NCP 24613 (OS230-ATCBI-028) Concurrence with Resolution

Hello Heather,

Western-Pacific Region now concurs without comment to the resolution provided.

Thank you.

Phuong-Anh Nguyen, AWP-474.53
Configuration Management
(310) 725-7447
(310) 725-6868 (fax)

----- Forwarded by Phuong-Anh Nguyen/AWP/FAA on 09/29/2003 08:01 AM -----

Chris Wong
To: Gregory Barker/AMC/FAA@FAA
09/29/2003 07:44 Carl CTR Butler/AMC/CNTR/FAA@FAA, Faron
Hahn/AWP/FAA@FAA, heather.n.cooley@baesystems.com, Jesse
DeCastro/AWP/FAA@FAA, John Dietrich/AMC/FAA@FAA, Mark
Carmouche/AMC/FAA@FAA, Phuong-Anh Nguyen/AWP/FAA@FAA,
Preston Barber/AMC/FAA@FAA, Roger Savoie/AWP/FAA@FAA,
Steve Aguirre/AWP/FAA@FAA, Terri Sumter/AWP/FAA@FAA, Helen
Harris/AWP/FAA@FAA
Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Greg:

AWP can not assume what AOS will or will not do. That is why a comment was included to ensure all interest are protected.

To accuse AWP of holding up your modification effort is ludicrous. My name and number is clearly included in all emails so you could have called. I always contact the concern parties when I received comments from NCP's that I have written.

From the comments below, it appears that AOS will look at the performance of the system before and after this modification. Therefore AWP-471 concurs without any further comments !!!! Case close !!!!

Gregory Barker
To: Chris Wong/AWP/FAA@FAA
09/29/2003 07:14 Faron Hahn/AWP/FAA@FAA, Jesse
DeCastro/AWP/FAA@FAA, Phuong-Anh Nguyen/AWP/FAA@FAA, Roger
Savoie/AWP/FAA@FAA, Steve Aguirre/AWP/FAA@FAA, Terri
Sumter/AWP/FAA@FAA, Mark Carmouche/AMC/FAA@FAA, John
Dietrich/AMC/FAA@FAA, heather.n.cooley@baesystems.com,
Carl CTR Butler/AMC/CNTR/FAA@FAA, Preston
Barber/AMC/FAA@FAA, Gregory Barker/AMC/FAA@FAA
Subject: Re: FW: 24613 (OS230-ATCBI-028) Concurrence with Resolution

Chris,

Do you realize I have been trying to get this NCP through since April 2003. I have been trying to resolve trivial comments from AWP for six months. All three of the comments I have received from AWP could have been resolved with a five minute conversation over the phone. To suggest that AOS-230 is

going to install a modification into the transmission line of the BI-5 and not look at the before and after data is ludicrous. In the meantime I cannot buy the modification kits, because I do not have an approved NCP. If the BI-6 schedule hadn't slipped I would be in a lot of trouble on this project. The originator's name and number are on NCPs for a reason. It would be great if AWP could utilize this information.

If this doesn't resolve your comment, please let me know.

Greg Barker

AOS-230

405-954-8594

Due Date: **5/29/03**

NCP No.: **24613**

Casefile No.: **OS230-ATCBI-028**

Concur w/o comment: ☐

Concur w/ comment: ☒

Nonconcur w/ comment: ☐

EVALUATORS	CMT #	Name & Title (Print)	Signature	Phone	Routing Symbol	Date
		Jeff Stern, Sup.Eng/ Spectrum Support Sec.		718-977-6516	AEA-472	
ROC POC						
Managers		Larry Wong, NCP Coord.		718-977-6618	AEA-472	
		Nelson Knox, Manager, Operations Branch		718-977-6500	AEA-470	

Comments: AEA-470 has reviewed this NCP and concurs with the intent of the change.

AFZ Disposition Sheet

NCP: 24613

Date: 5/29/03

Priority: NORMAL

Division	Contact	Approval	Concur without Comment	Concur with Comment	Non-Concur with Comment	No Response	No Review Required
AFZ	A. Najarian 202.646.2077	Steven Kalabokes	X				

COMMENTS:

Disposition: Concur without Comment

Initials: ann

If you have any Question or Comments Please Contact Anka Najarian Directly.

From: Kelly.CTR.Ford@faa.gov [mailto:Kelly.CTR.Ford@faa.gov]

Sent: Thursday, May 29, 2003 5:00 PM

To: Cooley, Heather N

Subject: Re: NCP 24613 (OS230-ATCBI-028) for Review

Hi Heather,

ANM response to Case File: OS230-ATCBI-028, NCP: 24613, is concur without comments.

Thanks,
Kelly

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: david hays

Organization: AML030

Phone: 405 954 7926

Date: 02 June 2003

Comment Status: Concur Without Comment

Comments: 6/2/3 1145 CDT

From: Jobi.CTR.Kennedy@faa.gov [mailto:Jobi.CTR.Kennedy@faa.gov]
Sent: Wednesday, June 18, 2003 6:48 PM
To: Heather.N.Cooley@baesystems.com;
Carol.R.James-Preston@baesystems.com
Cc: William.Helm@faa.gov
Subject: NCP 24613

RE: Casefile: OS230-ATCBI-028
NCP 24613

Heather/Carol:

AGL-471 has circulated this NCP for review and we concur without comment. It should be noted that we still have a couple of reviewers who have not yet responded (out on annual leave), Although we do not anticipate any comments, we reserve the option of forwarding on any comments we might receive in the near future.

Thank you,
Jobi

The following information for NCP 24613 was entered successfully into our Comment database:

<http://172.27.70.31/cm/ncps/24613.pdf>

CaseNumber: OS230-ATCBI-028

NCPNumber: 24613

Title: ARSR-4 ATCBI-5/BI-6 RF Switch

Reviewer: hugh mulholland

Organization: ANI090

Phone: 202-493-6595

Date: 25 June 2003

Comment Status: Concur Without Comment

Comments:

Paulette CTR Thompson

07/18/2003 05:45 PM

To: Carol CTR Preston/AWA/CNTR/FAA@FAA

Subject: NCP 24613, (OS230-ATCBI-028) for Review

Response re: NCP 24613

Paulette

----- Forwarded by Paulette CTR Thompson/AWA/CNTR/FAA on 07/18/2003 05:45 PM -----

William Syptak

07/17/2003 10:25 AM

To: John Farr/AWA/FAA@FAAcc:Paulette CTR Thompson/AWA/CNTR/FAA@FAA
Subject: NCP 24613, (OS230-ATCBI-028) for Review

John,

Paulette sent this out for review. There is a mod needed for the Mode S antenna required from BI-5 operation to BI-6 operation. This is just info for the SLEP.

Bill

Paulette,

The ASR-9 program does not need to comment on this NCP. It's primarily ATB-450 for the beacon.

Bill